

UMBLIYA, Viktor Emamulovich; GRISHCHENKOV, A.S., redaktor; YUDZON, D.M.  
tekhnicheskii redaktor.

[Establishing technical norms in railroad transportation] Tekhnicheskoe normirovanie na zhelezno-dorozhnom transporte. Moskva, Gos. transp. zhel-dor. izd-vo, 1954. 237 p. (MLRA 8:8)  
(Railroads)

UMBLIYA, V.E.

GIBSHMAN, A.Ye.; DANILOV, S.K., professor; DMITRIYEV, V.I.; KORNEYEV, A.I.;  
TVERSKOY, K.N.; UMBLIYA, V.E.; KHANUKOV, Ye.D.; CHERNOMORDIK, D.I.;  
CHUDOV, A.S.; SHIL'NIKOV, N.S.; KRISHTAL', L.I., redaktor; KHITROV,  
P.A., tekhnicheskii redaktor

[Economics of transportation] Ekonomika transporta. Moskva, Gos.  
transp.zhel-dor.izd-vo, 1955. 617 p. (MIRA 9:3)  
(Railroads--Finance)

UMBLIYA, Y.E. kandidat tekhnicheskikh nauk.

Problems of increasing labor productivity in railroad transportation. Trudy MFTI no.3:32-41 '56. (MLRA 10:6)  
(Railroads)

24

UMBLIYA, Viktor Emanuelovich [deceased]; KRISHTAL', L.I., red.; BOBROVA, Ye.N.,  
tekhn.red.

[Technical standardization of labor in railroad transportation]  
Tekhnicheskoe normirovanie truda na zheleznodorozhnom transporte.  
Moskva, Gos.transp.zhel-dor.izd-vo, 1957. 36 p. (MIRA 10:12)  
(Railroads)

BELYUNOV, S.A., inzh.; DMITRIYEV, V.I., dots., kand. ekon. nauk; KUCHURIN, S.F.; LIN'KOV, M.V.; MULYUKIN, F.P.; NEDOPEKIN, G.K., inzh.; PUZYNYA, I.Ye., inzh.; RAYKHER, G.Kh., inzh.; TRUBACHEV, T.Ye., inzh.; TYVAN-CHUK, D.P., inzh.; UMBLIYA, V.E., kand. ekon. nauk; KHOKHLOV, N.F., dots. kand. ekon. nauk; CHUDOV, A.S., prof., doktor ekon. nauk; ERLIKH, V.S., inzh.; IVLIYEV, Ivan Vasil'yevich, red.; KRISHTAL', L.I., red.; KHITROV, P.A., tekhn. red.

[Planning in railroad transportati a] Planirovanie na zheleznodorozh-  
nom transporte; spravochnik. Moskva, Vses. izdatel'sko-poligr. ob"-  
edinenie M-va putei soobshchenie, 1961. 470 p. (MIRA 14:11)  
(Railroads--Management)

CA

Methods for making Hadfield steel in basic open hearth furnaces. P. V. Umbrikhin and K. S. Maloskit. *Arch. Chernovaya Stal* 4, No. 5 (1960); *Met. Abstracts (in Metals & Alloys)* 6, 9. --Hadfield steels can be made in open-hearth furnaces either by reduction of slag after Mn addn. or by adding reducing materials simultaneously with Mn addn. In the first instance, a mixt. of 50% Al powder and 50% CaO is added to the slag which begins to thicken after Mn addn. This leads to reduction of other oxides requiring a thorough dephosphorization in the previous stages of the process and a thorough slag skimming. The second method was illustrated by a number of heats. (The second method was illustrated by a number of heats made in a 5 ton furnace (melting sheet is given). It consists in adding Mn in portions, together with Fe-Si sulf. to reduce the oxides formed. This permits working with normal slags, reduces Mn oxidation to about 1%, and furnishes sound steel contg. about 0.5% S. -- M. W. B.

UMED'YAN, V.V. (Kiyev)

Consideration of the special features of the matrix of resistance  
in the calculations of power system modes using a digital computer.  
Izv.AN SSSR.Energ.1 transp. no.4:61-62 J1-Ag '65. (MIRA 18:10)

KACHANOVA, N.A.; UMED'YAN, V.V.

Acceleration of the convergence of an inertial process in the solution of a problem on electrical calculation of a steady-state condition in complex electric power systems. Trudy Inst. elektrotekh. AN URSR no.19:45-53 '62. (MIRA 16:5)

(Electric power distribution)



KACHANOVA, N.A.; UMED'YAN, V.V.

Determination of distribution coefficients in complex electric  
power systems using computers. Trudy Inst. elektrotekh. AN  
USSR no.19:54-64 '62. (MIRA 16:5)

(Electric power distribution)

KACHANOVA, N.A.; (Kiyev); UMED'YAN, V.V. (Kiyev )

Calculation of the steady-state conditions of complex electric  
power systems using the "Ural-2" computer. Izv. AN SSSR. Energ.  
i transp. no.4:466-474 JI-Ag '63. (MIRA 16:11)

KACHANOVA, N.A. (Kiyev); UMED'YAN, V.V. (Kiyev)

Programming and calculation of constant operating modes of complex  
electric power systems. Avtomatyka 8 no.4:63-64 '63.  
(MIRA 16:10)

KACHANOVA, N.A. (Kiyev); UMED'YAN, V.V. (Kiyev)

Complex program of the calculation of the dynamic stability of  
a complex power system for the "Ural-2" computer. Avtomatyka 9  
no.5:86-87 '64. (MIRA 18:2)

TSUKERNIK, L.V., doktor tekhn. nauk; KACHANOVA, N.A., kand. tekhn. nauk;  
UMED'YAN, V.V., inzh.; AVRAMENKO, V.N., inzh.

Program for the analysis of the dynamic stability of complex  
electric power systems using electronic digital computers.  
Energ. i elektrotekh. prom. no.4:3-4 O-D '65.

(MIRA 19:1)

UMEDZHANOV, N. KH.

USSR/General Problems of Pathology - Tumors.

S-4

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71565

Author : Umedzhanov, N.Kh.

Inst :

Title : A Case of Lung Chondroma.

Orig Pub : Tr. Staklinbadsk. med. In-ta, 1956, 17, 149-150

Abstract : No abstract.

Card 1/1

- 50 -

UMEDZHANOV, N.Kh.

Some aspects of the surgical anatomy of the capsule of the coxofemoral  
joint. Zdrav. Tadzh. 9 no.1:49-53 Ja-F '62. (MIRA 15:4)  
(HIP JOINT--SURGERY)

UMEK, J.

Yugoslavia (430)

Technology - Serials

Construction standards and temporary  
standards in building. p. 77. NOVA  
PROIZVODNJA. (Uprava za napredek v  
proizvodnji pri planski komisiji LR  
Slovenije) Ljubljana. (Illustrated

East European Accessions List. Library of  
Congress, Vol. 1, no. 13, November 1952.  
UNCLASSIFIED.

"Card 1 of 3"



UMEK, J.

Yugoslavia (430)

bimonthly on production issued by the  
Administration for the Improvement of  
Production attached to the Planning  
Commission of Slovenia. Summaries in  
English. Articles classified according

East European Accessions List. Library of  
Congress, Vol. 1, no. 13, November 1952.  
UNCLASSIFIED.

"Card 2 of 3"

UMEK, J.

Yugoslavia (430)

to Decimal classification). Vol 1,  
no. 2-3-4, Dec. 1, 1950.

East European Accessions List. Library of  
Congress, Vol. 1, no. 13, November 1952.  
UNCLASSIFIED.

"Card 3 of 3"

UMEK, J.

Revision of programs and plans for roads. p. 244.

PUT I SAOBRAČAJ. (Društvo za ~~put~~teve Srbije)  
Beograd, Yugoslavia. Vol. 4, no. 7/10, July/Oct. 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959.

Uncl.

UMEK-BABIC, Anica, inz.; BABIC, Rudi, inz.

Beams. (To be contd.) Stroj vest 8 no.3:Suppl.: Porocila STT  
7 no.3:91-92 Je '62.

1. Strojna tovarna Trbovlje, Trbovlje.

UMEK-BABIC, Anica, inz.; BABIC, Rudi, inz.

Roof bars. (To be contd.). Stroj vest #na.1/2:55-58 Ap '62.

1. Strojna tovarna, Trbovlje.

UMEK-BABIC, Anica, inz.; BABIC, Rudi, inz.

Girders. Stroj vest 8 no.4/5:145-146 0 '62.

1. Strojna tovarna Trbovlje, Trbovlje.

UMEN, D.S., kand. sel'skokhoz. nauk; CHALYY, I.I., kand. sel'skokhoz. nauk; SHCHEBAKOVA, L.M.

Effect of the ripeness of seed on the yield of individual oilseed and aromatic crops. Agrobiologiya no.5:664-670 S.O '65. (MIRA 1965)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut maslichnykh i efiromaslichnykh kul'tur, Krasnodar.

USSR/Farm Animals - General Problems

Q.

Abs Jour : Ref Zhur - Biol., No 15, 1958, 69224

Author : Umen, D.P.

Inst : All-Union Scientific Research Institute of Oleaceous  
and Ethero-oleaceous Crops

Title : Problem of Use of the Peanut

Orig Pub : Byul. nauchno-tekhn. inform. Vses. n.-i. in-t maslichn.  
i efiromaslichn. kul'tur, 1957, No 3, 35-36

Abstract : No abstract.

Card 1/1



COUNTRY : USSR  
CATEGORY : Cultivated Plants. Commercial. Oleiferous.  
Major-Bearing.

AIRC. COUR. : RBZhBiol., No. 1: 1959, No. 174

AUTHOR : Miron, D.I.  
INST.:  
TITLE : All-Union Sel.Res.Inst. of Oleiferous and " Selection of Peanuts."  
Sub.: Krasnyi otchet o nauchno-isled. rabote  
Inst. n.-i. in-on raslichna i razvedeniya  
SPEZ. PUB.: Kol'tur za 1956 g. Krasnodar, Kazan, Vologda,  
1957, 75-80

ABSTRACT : In the results of competitive variety testing performed  
in the years 1955-1956 (city of Krasnodar), the more  
productive peanut varieties giving chiefly two-seeded  
fruits were exposed among them; according to the compari-  
son characteristics, the first place was occupied by  
variety 8459, having higher seeds and skins than the average  
control variety. The most productive test in the nursery  
of the second year of study in the year 1956, varieties  
No. 11312 and 11263 were isolated, surpassing, according  
to yield, the average variety by 30-40%. Application of

SAND:

7/1 \*Legerina Oil-Bearing Cross.

SECRET :  
SECRET :

AKS, JOSE. : RUSSEL. No. 2, 1949, No. 1742

SUBJECT : Inoculation of the sowing material with tubercle bacteria did not yield a positive effect in a number of cases, even lowering of the crop and quality of the seed production occurred. G.P. Plyushina

SECRET 2/2

SUSLOV, V.M., otv.red.; VASIL'YEV, D.S., red.; GEYDEL'BERG, Ye.Z., red.;  
IGNAT'YEV, B.K., red.; MOSKALENKO, V.I., red.; PANCHENKO, A.Ya.,  
red.; UMEN, D.P., red.; TULIN, N.S., red.; ANTONOVA, H.M.,  
khudozh.-tekhn.red.

[Collection of scientific research papers on oilseed and aromatic  
plants] Sbornik nauchno-issledovatel'skikh rabot po maslichnym  
i efiromaslichnym kul'turam. Moskva, Izd-vo M-va sel'.khoz.SSSR,  
1960. 284 p. (MIRA 14:3)

1. Krasnodar. Vsesoyuznyy nauchno-issledovatel'skiy institut  
maslichnykh i efiromaslichnykh kul'tur.  
(Oilseed plants) (Aromatic plants)

UMERENKOV, G.P.

Birth of monoamniotic twins with multiple interlacing of both  
umbilical cords. Vop. okh. mat. i det. 3 no. 5:90-91 8-0 '58  
(MIRA 11:11)

1. Iz Bryanskogo gorodskogo rodil'nogo doma (glavnyy vrach -  
zasluzhennyy vrach RSFSR N.S. Polyanskiy).

(TWINS)

(BIRTH, MULTIPLE)

PERSYANINOV, L.S.; ~~UMERENKOV, G.P.~~

Various methods of modern anesthesia in gynecological and  
obstetrical operations. Akush.i gin. 36 no.4:26-33 II-Ag '60.  
(MIRA 13:12)  
(ANESTHESIA IN OBSTETRICS) (GENITOURINARY ORGANS—SURGERY)

PERSIANINOV, L. S., prof.; UMERENKOV, G. P.

Electroencephalographic observations during anesthesia in gynecological operations. *Cesk. gynek*, 27 no.1/2:121-128 Mr '62.

1. Gyn. klin. fak. vseobec. lek. 2-Moskevského lékařského institutu  
N. I. Pirogova, prednosta clen-korespondent ALV SSSR prof. L. S.  
Persianinov.

(GYNECOLOGY anesth & analgesia) (ELECTROENCEPHALOGRAPHY)

PERSIANINOV, Leonid Semenovich; UMERENKOV, Grigoriy Petrovich;  
PORAY-KOCHETS, K.V., red.

[Anesthesia in obstetrical and gynecological surgery]  
Obezbolivanie pri akusherskikh i ginekologicheskikh ope-  
ratsiakh. Moskva, Meditsina, 1965. 291 p.  
(MIRA 18:8)

CHERNYAVSKIY, A.A.; UMERENKOV, V.N.

Size determination in the cutting of ingots. Kus.-shtam. proizv.  
4 no.5:23-27 My '62. (MIRA 16:5)  
(Steel ingots)



CHERNYAVSKIY, A.A., kand.tekhn.nauk; UMERENKOV, V.N., inzh.

Determining the polishing ratio in the hot pilger mill rolling of  
tubes. Stal' 23 no.12:1105-1107 D '62. (MIRA 17:2)

1. Truboprokatnyy zavod im. Karla Libknekhta.

0030546 (C)/ETI/EWP(k) IJP(c) JD/HW  
INVENTOR: Plyatskovskiy, O. A.; Khokhlov-Nekrasov, O. G.; Umerenkov,  
V. N.; Starodvorskiy, V. S.; Grigor'yev, L. F.  
SOURCE CODE: UR/0413/66/000/016/0017/0017  
ORG: none  
TITLE: Method of rolling pipe. Class 7, No. 184790  
SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966,  
17  
TOPIC TAGS: metal rolling, rolling mill, pipe, pipe rolling, mandrel  
ABSTRACT: An Author Certificate has been issued describing a method for  
rolling pipe on a graduated mandrel (see Fig. 1). To ensure the potentialities of  
rolling the thin-walled pipes together with the pipe, is fixed with regard to one of the  
freely moving in rollers sleeve pipe, such as the flange, or it is moved periodically in  
ends of the rolling sleeve pipe. The mandrel has a flange at one end, the diameter of which is  
a definite plan. The diameter of the sleeve but is smaller than the outside  
greater than the inside diameter of the pipe, while the diameter of its other end is smaller than the inside  
diameter of the pipe, while the diameter of its other end is smaller than the inside  
d 1/2

APPROVED FOR RELEASE DATE: 02 Sep 63  
SUB CODE: 13/ 5081 04/03/2001

CIA-RDP86-00513R001858010002-6"

Card 2/2 epi

UMERKINA, L.K.

Pathoanatomical changes in the internal organs and intestines in  
[Escherichia] coli dyspepsias in infants. Kaz.med.zhur. no.4:53-55  
Jl-Ag '62. (MIRA 15:8)

1. Patologoanatomicheskoye otdeleniye (nauchnyy rukovoditel' -  
dotsent N.F.Poryvayev, konsul'tant po neyrogistologii prof. G.I.  
Zabusov) Respublikanskoy klinicheskoy bol'nitsy (glavnyy vrach -  
Sh.V.Bikchurin [deceased]), Tatarskoy ASSR.  
(ESCHERICHIA COLI) (INFNATS--DISEASES) (DYSPEPSIA)

UMEROV, G.A., tsakhovoy vrach (Krivoy Rog)

Medical services for miners. Vrach. delo no.1:75-77 Ja '57  
(MLRA 10:4)

I. Mediko-sanitarnaya chast' rudnika im. Kaganovicha.  
(MINERS--DISEASES AND HYGIENE)

BELYAKOV, F.Ye.; BABIN, B.N.; BAL', V.; BOROVKOV, P.N.; VOYEVODIN, I.N.;  
 GUREVICH, G.M.; GORBUNOVA, P.I.; KONNOV, A.S.; KALANTAROVA, M.V.;  
 KASHIRSKIY, A.Ya.; KAZANCHIYEV, Ye.N.; LEKSUTKIN, A.F.; LETI-  
 CHEVSKIY, M.A.; LOPATIN, S.Z.; MIRSKIY, V.N.; PODSEVALOV, V.N.;  
 SUBBOTINA, V.P.; TANASIYCHUK, N.P.; FEDOTOV, S.D.; FISENKO, K.N.;  
 EL'KIND, I.G.; BOVIN, S.S.; VASIL'YEV, L.T.; DRINKOV, V.D.; DALE-  
 CHIN, N.I.; DADAGOV, I.A.; YERMOSHINA, V.I.; ZHUKOV, I.V.; ZIMIN,  
 D.A.; IVANNIKOV, A.Ya.; KOVALEV, M.K.; LUGAKOVSKIY, N.L.; NALEVSKIY,  
 A.F.; SEREZHNIKOV, V.K.; SEMIGLASOV, M.D.; SOKOLOV, A.V.; STEPANOV,  
 V.I.; SAKHARIN, G.S.; SAVENKO, P.A.; SOLODOV, V.P.; UMEROV, Sh.Kh.;  
 CHIKINDAS, G.S.; SHCHERBUKHINA, S.N.; DYNKIN, G.Z.; LYSOV, V.S.;  
 OSHEROVICH, A.N.; ROKITSINSKIY, E.V.; BRASLAVSKIY, M.S.; RUDENKO,  
 I.A.; ZHUKOBORSKIY, M.S.; ZHDANOV, I.Ye.; SUSLIN, V.A.; BRUS, A.Ye.;  
 VOLYNSKIY, S.A.; KLYUYEV, V.A.; ISTRATOV, A.G.; TIKHOMIROV, I.F.;  
 BUTYRIN, Ya.N.; VOLYNSKIY, S.A.; MINEYEV, M.F.; MAL'TSEV, V.I.;  
 VIDETSKIY, A.F., kand.tekhn.nauk, glavnyy red.; DEMIDOV, A.N., red.;  
 KRAVETS, A.L., red.; KLIMOVA, Z.I., tekhn.red.

[Industrial Astrakhan] Promyshlennaya Astrakhan'. Astrakhan',  
 Izd-vo gazety "Volga," 1959. 318 p. (MIRA 12:11)

1. Astrakhan (Province) Ekonomicheskii administrativnyy rayon.  
 (Astrakhan Province--Economic conditions)

UMETALIYEVA, D. Zh.

"Kirgizskiye parodnye vorsevye kovry (po materialam, sobrannym v severnoy i tsentral'noy chasti Oshskoy oblasti)."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,  
Moscow, 3-10 Aug 64.

UMETOV, Dzh.; BURKOVSKIY, A.P., red.; LEVITUS, B.I., red. izd-va; ANOKHINA,  
M.G., tekhn. red.

[Consolidation of the organization and economy of collective farms  
in Kirghizistan during the third five-year plan, 1938-June 1941]  
Organisatsionno-khoziaistvennoe ukreplenie kolkhovov Kirgizii v  
gody tret'ei piatiletki, 1938-iiun' 1941 g. Frunze, Akad. nauk  
Kirgizskoi SSR. In-t istorii, 1959. 76 p.

(MIRA 13:7)

(Kirghizistan--Collective farms)

UMETS, V.A., inzh.; POKUTNYI, O.M., inzh.

Rapid assembly-line method of building the Stavropol - Moscow  
gas line. Stroi.truboprov. 4 no.1:24-25 Ja '59.

(MIRA 12:1)

(Gas, Natural--Pipelines) (Assembly-line methods)



UNITSKAYA, L.A., *inzh.*; KRASHCHENKOVA, I.G., *stariy prepodavatel'*

Dispatcher control systems for distributing motor vehicles along  
the cranes of container platforms. *Trudy Vuz. elektromekh. inst.*  
*inzh. zhel. dor. transp.* no.2:26-34 '63. (MIRA 12:7)

UMETSKIY, V.A. (s. Goreloye Tambovskoy obl.)

Development of mathematical thinking in students during lessons  
of arithmetic. Mat. v shkole no.5:17-29 S-0 '54. (MIRA 7:11)  
(Arithmetic--Study and teaching)

UMETSKIY, V.A. (selo Goreloye Tambovskoy obl.)

Methods for testing and registering the knowledge of students.  
Mat. v shkole no.1:86-90 Ja-F '59. (MIRA 12:1)  
(Mathematics--Study and teaching)

*UMETSKIY, V. N.*

GELFREICH, G., IKHSANOVA, V. N., KAYDANOVSKIY, N. L., SOBOLEVA, N. S., TIMOFEYEVA, G. M.,  
and UMETSKIY, V. N.

"Bursts of Microwave Radioemission Associated with Solar Flares."

paper presented at Symposium on Radio Astronomy, Paris, 30 Jul - 6 Aug 58.

9.13/0

27645  
S/194/61/000/002/035/039  
D216/D302

AUTHORS: Korol'kov, D.V. and Umetskiy, V.N.  
TITLE: Balanced slot-mixer for centimetric receivers  
PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika,  
no. 2, 1961, 12, abstract 2 K108 (Izv. Gl. astron.  
observ. v Pulkove, 1960, 21, no. 5, 176-178)

TEXT: A description is given of a waveguide frequency changer using a slotted bridge in the form of 2 slot coupled / Abstracter's note: Subject of this sentence is missing in the abstract / in the common narrow waveguide wall. With proper choice of the arrangement dimensions the signals, applied to the input arms divide equally between the output arms and the phases of oscillations become shifted in them by  $\pi/2$ . Owing to the detectors fixed nearby in the output arms, various wave length mixers can be used with the same IF amplifier. The electrical properties of this mixer are at least as good as those of a hybrid ring but its construction is

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Balanced slot-mixer...

27645  
S/194/61/000/002/035 039  
D216/D302

much simpler and handier. A photograph of the balanced 5 cm wave-  
length slot-mixer is given together with the L.O. and IF amplifier.  
Decoupling between the signal and L.O. arms > 30 db at the center  
frequency, the receiver sensitivity with such mixer (diodes 7AK-05  
(DK-S5) and 7AK-C7(DK-S7)) 1.0 - 1.5 (with respect to the anode  
temperature) at a time constant 1 second and IF amplifier passband  
20 Mc/s. X

Card 2/2

KOROL'KOV, D.V.; UMETSKIY, V.N.

Balanced slit mixer for microwave receivers. Izv.GAO 21 no.5:176-  
178 '60. (MIRA 13:9)

(Radio—Receivers and reception)

YESEPKINA, N.A.; PETRUN'KIN, V.Yu.; KUZNETSOV, B.G.; UMETSKIY, V.N.;  
VASIL'YEV, B.A.

Space harmonics of the antenna pattern of the large Pulkovo radio  
telescope. Izv. GAO 23 no.3:116-121 '64.

(MIRA 17:11)



DRAVSKIKH, A.F.; NIKOLAYEV, L.A.; UMETSKIY, V.N.; TARAIENKO, V.G.

Powerful high-stability source of low voltage. Izv. GAC 23  
no.3:243-244 '64. (MIRA 17:11)

L 40973-66 FED/EWT(1)/T GW/WS-2/HR

ACC NR: AP6027241

SOURCE CODE: UR/0109/66/011/008/1499/1503

AUTHOR: Braude, B. V.; Yesevkina, N. A.; Petrun'kin, V. Yu.; Khaykin, S. E.  
Umetskiy, V. N.

ORG: none

TITLE: Application of methods for correction of the surfaces of optical telescopes to tuning of highly directional radio telescopes

SOURCE: Radiotekhnika i elektronika, v. 11, no. 8, 1966, 1499-1503

TOPIC TAGS: antenna, radio telescope antenna, antenna modulation, antenna tuning, radio telescope

ABSTRACT: A modified version of the so-called shadow method of tuning is proposed. The shadow method in its original form is used for correcting the surface of optical reflectors, but it does not assure the required accuracy and reliability when applied to large, highly directional radio telescopes. The modification consists of providing ways of producing converging waves near the antenna and of localizing errors on the mirror surface. The principles of localizing surface errors and of determining the shape of the reflecting antenna surface, based on the modulation of signals reflected from various sections of the antenna, are briefly described. In this

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ACC NR: AP6027241

procedure (see Fig. 1) the reflecting surface is made of comparatively small movable (adjustable) elements. One or more slightly directional modulated reradiators

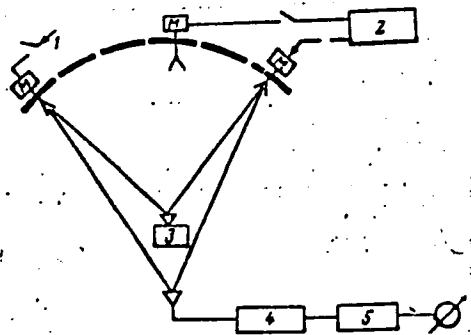


Fig. 1. Shadow method tuning arrangement

- 1 - From generation of  $\Omega$ -frequency signals;
- 2 -  $\Omega$ -frequency modulating generator;
- 3 -  $\omega$ -frequency signal generator; 4 - detector; 5 -  $\Omega$ -frequency signal amplifier.

(small dielectric or slot antennas with shf modulators) are mounted on each element. A generator is placed at one of the antenna focal points and a receiver with a detector and filter tuned to frequency  $\Omega$  at the other. With such an arrangement, equal paths are obtained between the first and the second focal points. The modulated signal is produced by one of the reradiators, and a reference signal is produced by the sum field reflected from all of the antenna elements. Phase measurements with an accuracy of  $0.5^\circ$  at  $\lambda = 3$  cm were made by the modulation method under laboratory conditions. In general, the tuning of a highly directional radio telescope should

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L 40973-66

ACC NR: AP6027241

proceed as follows: 1) the antenna is first focused for a short distance to obtain a converging wave front; 2) the reflector surface is then checked and corrected by the modulation method; 3) the antenna radiation pattern is checked by placing a generator at one focal point and measuring the field distribution near the other focal point. The distribution should coincide with the antenna radiation pattern in the far zone. When the measured antenna radiation pattern (field distribution near the focal point) is found to be in good agreement with the calculated one, the antenna should be focused to infinity, i. e., a plane wave should be obtained from the radio telescope. The operation of the system is then checked against cosmic radio sources having small (compared to the width of the radiation pattern) angular dimensions. Orig. art. has: 2 figures and 8 formulas. [JR]

SUB CODE: 17, 09 SUBM DATE: 18Dec65/ ORIG REF: 006/ OTH REF: 001/ ATD PRESS: 5058

Sgrd 3/3 MLP

UMHOVA, N.I.

Epidermophytosis of the smooth skin. Sovet. med. 16 no. 6:15-17  
June 1952. (CLML 22:4)

1. Of the Mycological Department (Head -- Prof. A. M. Ariyevich),  
Central Skin-Venereological Institute (Director -- Candidate Medical  
Sciences N. M. Turanov), Ministry of Public Health USSR.

JACYNA-ONYSZKIEWICZ, Tadeusz; UMIASTOWSKA, Zofia; GORZECKI, Szczepan.

Surgical wounds and injuries in agricultural workers. Ann.Univ.  
Lublin;sec.D 8:129-150 1953.

1. Z Instytutu Medycyny Pracy Wsi w Lublinie. Dyrektor; prof. dr  
Jozef Parmas. Z Kliniki Chirurgicznej Akad.Med.w Lublinie. Kierow-  
nik: prof. Dr.Tadeusz Jacyna-Onyszkiewicz.

(AGRICULTURE,  
accid.)

(ACCIDENTS,  
agricultural accid.)

UMIASTOWSKA, Zofia

Injury of ligaments of the liver. Ann. Univ. Lublin; sec. D 9:  
235-248 1954.

1. Z I Kliniki Chirurgicznej Akademii Medycznej w Lublinie.  
Kierownik: prof. dr. med. Tadeusz Jacyna-Onyszkiewicz.

(LIVER,  
ligaments, inj.)  
(LIGAMENTS,  
liver, inj.)  
(WOUNDS AND INJURIES,  
liver ligaments)

UMIASTOWSKA, Z.

JACYNA-ONYSZKIEWICZ, T.; UMIASTOWSKA, Z.; GORECKI, S.

Results of investigation on occupational trauma in rural areas.  
Med. pracy 5 no.2:135-140 1954.

1. Z Instytutu Medycyny Pracy Wsi, Dyrektor; prof. dr J.Parnas i z  
I Kliniki Chirurgicznej A.M. w Lublinie, Dyrektor: prof. dr T.Jacyna-  
Onyszkiewicz.

(ACCIDENTS, statistics,

Poland, in agricultural workers)

(RURAL CONDITIONS,

accid. statist. in Poland)



UMIASTOWSKA, Zofia

Traumatic injuries of the liver. Ann. Univ. Lublin; sec.D 10:  
11-44 1955.

1. Z I Kliniki Chirurgicznej Akademii Medycznej w Lublinie  
Kierownik: prof. dr. med. Tadeusz Jacyna-Omyszkiewicz.  
(LIVER, wounds and injuries,  
(Pol))

JACYNA-ONYSZKIEWICZ, Tadeusz; UMIASTOWSKA, Zofia

Value of intravenous administration of novocaine in surgery.  
Ann. Univ. Lublin; sec.D 10:45-62 1955.

1. Z I Kliniki Chirurgicznej Akademii Medycznej w Lublinie

Kierownik: prof. dr. T. Jacyna-Onyszkiewicz.

(PROCAINE, therapeutic use,

prev. of surg. compl., intravenous drip infusion (Pol))

EXCERPTA MEDICA Sec.9 Vol.11/10 Surgery Oct 57  
UMIASTOWSKA Z.

5423. UMIASOWSKA Z. 1.Klin. Chir. Akad. Med., Lublin. \*Urazowe uszkodzenie wątroby. Traumatic injury of the liver ANN.UNIV.LUBLIN  
SECT.D, 1956, 10 (11-44)

This is a presentation of 6 cases of traumatic injury of the liver (5 after blunt trauma, 1 after gun-shot), treated by operation. The wound was sutured with fixation of a peduncle of omentum in 3 patients; in 1 case a mattress O'Connell's suture was sufficient and in 1 case a gauze tamponade was used. Three patients died, 1 from shock, 2 from hepato-renal syndrome. One patient with symptoms of hepato-renal syndrome recovered. In the author's opinion, the novocain intravenous drop infusion was of great value in this recovery. The frequency is underlined of the hepato-renal syndrome as a major complication in the postoperative period, especially when the lesion of even one kidney coexists. Every patient after blunt trauma even vaguely suspected of having liver injury, should be operated on.  
Rykowski - Warsaw

UMIASTOWSKA, Zofia

Use of Maydl's method in the treatment of exstrophy of the bladder in children. Polski tygod. lek. 16 no.11:385-389 13 Mr '61.

1. Z Oddzialu Chirurgicznego; ordynator: dr med. Z. Umiastowska, Kliniki Chorob Dzieci A.M. w Bialymstoku; kierownik kliniki: z-ca prof. A. Kanski.

(BLADDER abnorm)

UMIASTOWSKA, Zofia

A primary tumor of the greater omentum in a child. Polski przegl.  
chir. 33 no.6:563-566 '61.

1. Z Oddziału Chirurgicznego Kliniki Chroorb Dzieci AM w Białymstoku  
Kierownik: z-ca prof. dr A.Kanski Ordynator Oddziału Chirurgicznego:  
dr Z. Umiastowska.  
(OMENTUM neopl) (LEIOMYOMA in inf & child)

ZELEWSKI, L.; UMIASTOWSKI, J.

Decrease of citrate excretion in the urine of female rats after  
oestradiol benzoate administration. Acta biochim. polon. 9  
no.2:153-158 '62.

1. Department of Biochemistry, Medical School, Gdansk.  
(CITRATES urine) (ESTRADIOL pharmacol)

POLAND

UMIASTOWSKA, Zofia, Dr. med., "Ordynator", Surgical Division (Oddzial Chirurgiczny), Clinic of Child Diseases (Klinika Chorob Dzieci) (Director: Acting Prof. Andrzej KANSKI), AM [Akademia Medyczna, Medical Academy] in Bialystok

"A Contribution to Surgical Treatment of Hyperthyreosis in Children. Case Report."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 22, 27 May 63, pp 793-794

Abstract: [Author's English summary] Author reviews the pros and cons of conservative and surgical treatment of hyperthyreosis in children from the literature. She reports a case of a 12-year old girl on which a subtotal strumectomy was performed, and on which an examination two years later revealed complete disappearance of exophthalmus and no sign of hyperthereosis. She recommends surgery for older children, where conservative treatment is ineffective. There are 13 references, of which three (3) are Polish, one Czech, and the remaining nine (9) - Western.

1/1

POLAND

UMIASTOWSKA, Zofia, Dr. med., "Ordynator" of the Surgical Division (Oddzial Chirurgiczny) of the Clinic of Child Diseases (Klinika Chorob Dzieci) (Director: Acting Prof. Andrzej KANSKI), AM [Akademia Medyczna, Medical Academy] in Bialystok

"Remarks on the Treatment of Gastric and Duodenal Ulcers in Children."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 23, 3 Jun 63, pp 829-832

Abstract: [Author's English summary modified] Author discusses the problem of surgical treatment of gastric and duodenal ulcers in children, and reports two successful cases, one of gastric resection in a 6-year old boy with constricted duodenum due to ulcer, and the other of duodenal ulcer resection of the stomach in a 10-year old boy with bleeding. She considers not too large resection preferable to anastomosis, and recommends it for children above ten, or severe cases of younger children. There are 18 references, of which six (6) each are Polish and English, 3 Soviet, 2 German, and one Czech.

1/1



UMIASTOWSKA, Zofia; WARGOCKI, Janusz

Meckel's diverticulum in a child. Pol. przegl. chir. 37 no.1:  
41-45 Ja '65

1. Z Oddziału Chirurgii Dziecięcej Szpitala Wojskowego w  
Białymstoku (ordynator: dr. Z. Umiastowska).

BILIKIEWICZ, Adam; UMIASTOWSKI, Jerzy

Preliminary personal clinical experiences with indoklon shocks.  
Neurologia etc. polska 11 no.1:101-109 Ja-F '61.

1. Z Kliniki Chorob Psychiczych AM w Gdansk<sup>u</sup> Kierownik: prof.  
dr T. Bilikiewicz.

(SHOCK THERAPY) (ETHER ETHYL rel cpds)

UMIASTWSKI, Jerzy

The metabolism of adenine nucleotides in working striated  
muscles. Postepy biochem. 10 no.4:445-461 '64

UMIASTOWSKI, J.

AMP aminohydrolase in the muscles of some vertebrates and invertebrates. Acta biochim. Pol. 11 no.4:459-464 '64.

1. Department of Biochemistry, Medical School, Gdansk.

ZYDOWO, M.; MAKAREWICZ, W.; UMIASTOWSKI, J.; PURZYCKA, Jadwiga

Temperature dependence of AMP deamination catalysed by muscle extracts from homeothermic and poikilothermic animals. Acta biochim. Pol. 12 no.4:319-325 '65.

1. Department of Biochemistry, Medical School, Gdansk.

UMIDOVA, L.Sh.

Studying visceral leishmaniasis in dogs [with summary in English].  
Med.paraz. i paraz.bol. 27 no.5:600-601 S-0 '58. (MIRA 12:1)

1. Iz Tashkentskogo nauchno-issledovatel'skogo instituta vaktsin  
i ayvorotok.

(LEISHMANIASIS, VISCERAL, exper.  
canine (Rus))

UMIDOVA, L. SH.

"The Cultivation of Leishmania at a Higher Temperature."

Tenth Conference on Parasitological Problems and Diseases with Natural Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of Sciences, USSR, Moscow-Leningrad, 1959.

Tashkent Scientific Research Institute of Vaccines and Sera

SHTERN GOL'D, Ye.Ya.; SHLEYKHER, E.I.; UMIDOVA, L.SH.

Immunological effectiveness of Q vaccine. Trudy Tash. NIIVS  
5:47-52'62. (MIRA 16:10)  
(Q FEVER — PREVENTIVE INOCULATION) (IMMUNITY)



UMIDOVA, V.I., prof.; INOYATOVA, L.Kh.; LAZARENKO, L.I.

Study of the lipid level in the blood of healthy inhabitants of  
a rural locality and of those suffering from arteriosclerosis;  
results of expedition work in some Uzbekistan provinces. Med.  
zhur. Uzb. no. 8:3-8 Ag '62. (MIRA 16:4)  
(LIPIDS) (UZBEKISTAN-ARTERIOSCLEROSIS)

UMIDOVA, Z.I., prof.; KUZ'MENKO, O.A.

Changes in the cholesterol and lecithin content in the blood of patients with atherosclerosis according to the stages of the disease. Sbor.nauch.trud.TashGMI 22:36-43 '62.

(MIRA 18:10)

1. Kafedra gospi'tal'noy terapii (zav. kafedroy - prof. Z.I.Umidova)  
Tashkentskogo gosudarstvennogo meditsinskogo instituta.

UMIDOVA, Z. I.

29269 Gipertonicheskaya bolezni i osobennosti yeye te-cheniya v usloviyakh zharkogo klimata. V sb: Nauch. sessiya Akad. nauk UzSSR 24-28 yanv. 1949 g. Doklady Med. Sektsii. Tashkent, 1949, s. 76-85

SO: Letopsi' Zhurnal'nykh Statey, Vol. 39, Moskva, 1949

U. IDOVA, V.I., prof.

Present status of Soviet cardiology and the tasks for its  
further development in Uzbekistan. Med. zhur. Uz. no. 4.  
20-24 Ap '63. (MIRA 1964)

1. Chlen-korrespondent AMN SSSR.

UMIDOVA, Z.I., prof., red.; AKSELMAN, M.B., red.

[Transactions of the First Republic Scientific Conference on the Problem "Physiology and Pathology of the Cardiovascular System"] Trudy Respublikanskoi nauchnoi konferentsii po probleme "Fiziologiya i patologiya serdechno-sosudistoi sistemy." Tashkent, Medgiz UzSSR, 1964. 261 p. (MIRA 18:2)

1. Respublikanskaya nauchnaya konferentsiya po probleme "Fiziologiya i patologiya serdechno-sosudistoy sistemy". 1st, Tashkent, 1963. 2. Chlen-korrespondent AN SSSR (for Umidova).

CATAR, G.; UMIJATI, Sri; TJIONG GIOK PIN

Incidence of toxoplasmosis among the Indonesian population.  
Bratisl lek. listy 44 no.5:257-261 '64.

1. Vyskumne laboratorium parazitologie pri Katedre biologie  
Lek.fak. Univ. Komenskeho v Bratislave (vedouci: prof.dr.  
V.Vrsansky) a Parazitologicky ustav Lek.fak.Univ. v.Djakarte,  
Indonezia (veduca: dr. Sri Umijati).

\*

UMIKOV, I.N.

UMIKOV, I.N., inzh.

Our aim is the improvement of hydraulic turbines. Izobr.v SSSR  
3 no.1:35 Ja '58. (MIRA 11:1)

(Hydraulic turbines)

UMIKOV, I.N.

High-class hydraulic turbines. Standartizatsiya 29 no. 11:  
20-22 N '65 (MIRA 19:1)

1. Leningradskiy metallicheskiy zavod imeni XXII s"yezda KPSS.



UMIKOV, I.N.

Series of type dimensions for hydraulic turbines. Standartizatsiia  
25 no.12:15-19 D '61. (MIRA 14:11)  
(Hydraulic turbines--Standards)

KOLYON, A.Yu., kand. tekhn. nauk; UMIKOV, I.N., inzh., ETINBERG, I.E.,  
kand. tekhn. nauk

Basic principles of the establishment of new nomenclature on  
large Kaplan and Francis-type hydraulic turbines. [Trudy] LMZ  
no.10:39-52 '64. (MIRA 18:12)

UMIKOV, I.N., inzh.

Standardization of the power equipment of hydroelectric power  
stations. Energomashinstroenie 11 no.3:28-31 Mr '65.

(MIRA 18:6)

UMIKOV, N. Z.

Umikov, N. Z. "Results of twelve uses of anatuberculin during treatment of various forms of tubercular illness," Trudy VI Vsesoyuz. s'yezda det. vrachey, povyashch. pamyati prof. Filatova, Moscow, 1948, p. 364-68

SO: U-3264, 10 April 1953, (Letopis 'nykh Statel, No. 3, 1949

S. 020/01/034/008/003/018  
0204/0305

5.24.00

AUTHORS: Devyatykh, G. G., Odnosevisev, A. I. and Umailin, V. A.  
TITLE: Fine purification of sulphur by the heat method  
PERIODICAL: Zhurnal prikladnoy khimii v 34, no. 8, 1961.  
1696-1699

TEXT: In the present work a method of purifying sulphur for use in semiconductor production is described. The process is based on boiling sulphur under pressure of nitrogen or on heating its vapor to 900 - 1000°C, followed by vacuum distillation. The apparatus for the purpose is represented in Fig. 1, and consists basically of a tempered glass reactor of 300 ml capacity which fits into an electric furnace. The process is started by introducing about 400 g of pure sulphur into the reactor and slowly melting it. When the evolution of gases ceases nitrogen pressure of 3 - 4 atm is applied and the furnace temperature increased to 630 - 650°C until the sulphur boils. The pressure in the reactor is chosen such that a given temperature the sulphur condensation ring remains within the reactor.

Card 1/3

S/080/61/034/008/003/018  
D204/D305

# Fine purification of sulphur...

As the preliminary heating is completed the reactor is cooled to 180 - 190°C and the sulphur transferred into a receiver from which it is subsequently distilled at 5 - 10 mm Hg pressure. The distillation residues contain mainly bitumens of organic origin and their quantity depends on the temperature of preheating. To establish the nature of those bitumens, the gases and the residue were examined. By absorbing  $H_2S$ , the main component of the gases, it was possible to determine hydrogen content of the bitumen. While ignition of the residues permitted the determination of the carbon content. For obtaining sulphur with low bitumen content sulphur vapors were subjected to heating in an apparatus, in which droplets of boiling sulphur were passed into a 15 mm diameter tube heated to 900 - 1000°C at a rate of 10 g/min. In the tube sulphur was vaporized and the vapors heated to decompose the bitumen. The condensed sulphur was blown with air to remove carbon collected in the tube followed by distillation in vacuum to remove solid carbon particles and dissolved gases. The procedure may be repeated several times, depending on the desired standard of purity of the

Card 2/3

Fine purification of sulphur...

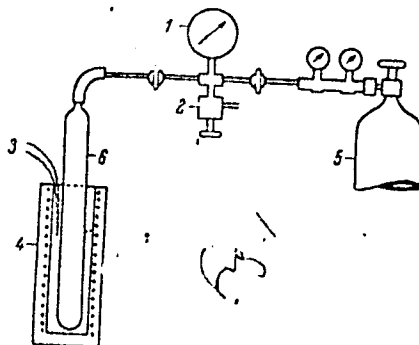
S/080/61/034/008/003/018  
D204/D305

final sulphur. Heat treatment of sulphur permits also the removal of other impurities such as Cr, Ni, Ag, Cu, Al, As and the halogens. It was possible to obtain sulphur samples containing not more than  $1 \times 10^{-4}\%$  of impurities. There are 4 figures, 2 tables and 11 references: 7 Soviet-bloc and 4 non-Soviet-bloc.

ASSOCIATION: Gor'kovskiy gosudarstvennyy universitet im. N.I. Lobachevskogo (Gor'kiy State University im. N.I. Lobachevskiy)

SUBMITTED: July 16, 1960

Fig. 1 Legend: Apparatus for the heat treatment of sulphur. 1 - monometer; 2 - valve; 3 - thermocouple; 4 - electric furnace; 5 - nitrogen cylinder; 6 - glass reactor.



Card 3/3

ACCESSION NR: AR4015644

8/0081/63/000/022/0380/0380

SOURCE: RZh. Khimiya, Abs. 22158

AUTHOR: Devyaty\*kh, G. G.; Umlin, V. A.; Odnosevtsev, A. I.

TITLE: Obtaining sulfur of special purity

CITED SOURCE: Tr. po khimii i khim. tekhnol (Gor'kiy), no. 2, 1962, 306-315

TOPIC TAGS: sulfur, sulfur production, sulfur purification, sulfur thermal purification, sulfur rectification

TRANSLATION: A thermal method was developed for the purification of sulfur from bitumen. Samples of sulfur containing 4.10-5% of bituminite were obtained. The thermal method helps to free the sulfur from admixtures of metals, arsenic, and halogens. A method was also developed for freeing sulfur from selenium by rectification of elemental sulfur. Samples of sulfur with a selenium content of 1.10-5% were obtained. 33 references. Authors' summary.

DATE ACQ: 07Jan64

SUB CODE: CH

ENCL: 00

Card 1/1



DEVYATYKH, G.G.; ODNOSSEVTSEV, A.I.; UMILIN, V.A.

Liquid - vapor equilibrium in the sulfur - selenium system.  
Zhur. neorg. khim. 7 no.8:1928-1932 Ag '62. (MIRA 16:6)

1. Gor'kovskiy gosudarstvennyy universitet imeni N.I. Lobachevskogo  
kafedra neorganicheskoy khimii.

(Sulfur) (Selenium)  
(Phase rule and equilibrium)

S/080/62/035/009/004/014  
D204/D307

AUTHORS: Devyatykh, G.G., Odnosevtsev, A.I., Umilin, V.A., and  
Balabanov, V.V.

TITLE: The purification of sulfur from selenium by rectifica-  
tion

PERIODICAL: Zhurnal prikladnoy khimii, v. 35, no. 9, 1962,  
1946 - 1949

TEXT: The authors rectified S containing a few percent of Se on a column 16 mm in dia., packed with glass rings (5 mm dia.) to heights of 30 (I) and 146 cm (II), under  $N_2$ , at pressures of 400 - 760 (I) and 760 - 1460 mm Hg (II). The separation factor of the column,  $F(= N_R(1 - N_D)/N_D(1 - N_R))$  where  $N_R$  and  $N_D$  are the atom fractions of Se in the residue and distillate respectively) increased rapidly with pressure (for II,  $F$  was 113 and 1440 respectively at 760 and 1460 mm Hg) and rose slowly with diminishing rate of condensation.  $F$  was also considerably increased by increasing the height of packing in the column. Experiments with 146 cm of packing, at 760 and at 1350

Card 1/2

The purification of sulfur from ...

S/C80/62/035/009/004/014  
D204/D307

mm Hg, on sulfur containing  $2 \times 10^{-3}$  to  $3 \times 10^{-3}$  % Se yielded a product containing  $\leq 1 \times 10^{-4}$  % Se in the most favorable and  $2.5 \times 10^{-4}$  % Se in the least favorable case. The mean separation coefficient  $\alpha$  ( $\frac{\delta\alpha}{\alpha} = \frac{1}{n} \cdot \frac{\delta F}{F}$ , where  $n$  is the number of theoretical plates of the column) was found to be  $1.074 \pm 0.005$  for solutions containing  $3 \times 10^{-3}$  to  $1 \times 10^{-4}$  % Se. It is thought that S containing as little as  $1 \times 10^{-5}$  % Se may be obtained by this method. The authors acknowledge the assistance of L.M. Vinogradova and N.N. Proskurina with the experimental work. There are 2 figures and 2 tables.

ASSOCIATION: Gor'kovskiy gosudarstvennyy universitet imeni N.I. Lobachevskogo (Gor'kovskiy State University, imeni N.I. Lobachevskiy)

SUBMITTED: June 22, 1961

Card 2/2

DEVYATYKH, G.G.; UMILIN, V.A.; RUNOVSKAYA, I.V.

Liquid-vapor equilibrium in the system sulfur - selenium  
at elevated pressure. Zhur.neorg.khim. 8 no.1:149-152 Ja '63.  
(MIRA 16:5)

1. Gor'kovskiy gosudarstvennyy universitet imeni N.I.Lobachevskogo.  
(Sulfur) (Selenium) (Phase rule and equilibrium)

UMILIN, V.A.; AGAFONOV, I.L.; KORNEV, L.N.; DEVYATYKH, G.G.

Mass spectra of a selenium-sulfur mixture. Zhur. neorg. Khim.  
9 no.10:2492-2493 0 '64.

(MIRA 17:12)

II. L 62591-65 EWT(m)/EWG(m)/EMP(b)/EMP(t) IJP(c) RDW/JD

ACCESSION NO: AP5018246

REF ID: A65130/007/1647/1652  
546,22+546,22/546,223.2

AUTHOR: Druzyakha, G. G. Ostrova, V. A. Igilov, N. Kh. Kutsapin, V. P.

TITLE: Liquid - vapor equilibrium in the sulfur - selenium system

SOURCE: Zhurnal neorganicheskoy khimii, v. 10, no. 7, 1965, 1647-1652

TOPIC TAGS: sulfur, selenium, separation factor, fractional distillation

ABSTRACT: The separation factor  $\alpha$  for a mixture of sulfur and selenium was determined by a static method. At a selenium concentration of 4.5 wt. % and 430C, the separation factor is equal to 6.5. The equilibrium between liquid and vapor was reached very slowly in these experiments. The separation factor

Card 1/2

L 62591-65

ACCESSION NR: AP5018246

carried out under different conditions of formation and decomposition of these compounds. Furthermore, the factor  $\alpha$  is determined by two opposite processes: association in the liquid, and dissociation in the vapor. Hence, the value of  $\alpha$  is affected by the vaporisation rate, vapor temperature, relative amounts of liquid and vapor, etc. Thus, different methods produce different results. Orig. art. has: 3 figures, 3 tables, and 4 formulas.

ASSOCIATION: None

SUBMITTED: 06Feb64

NO REF SOV: 012

ENCL: 00

SUB CODE: IC

OTHER: 001

MOLOKOV, Mikhail Vladimirovich, kand. tekhn. nauk; UHLING, T.Yu.,  
inzh., nauchn. red.

[Storm sewers for industrial areas] Dozhdevaia kanaliza-  
tsiia ploshchadok promyshlennykh predpriatii. Leningrad,  
Stroiizdat, 1964. 183 p. (MIRA 17:6)



1ST AND 2ND COLUMNS															3RD AND 4TH COLUMNS															5TH AND 6TH COLUMNS														
COMMON ELEMENTS															PROCESSES AND PROPERTIES INDEX															METALLURGICAL LITERATURE														
<p>Specific heat of iron-carbon system at high temperatures, and the heat changes accompanying these of phase. <i>Science Reps. Tokyo Imp. Univ., First Ser. 33, 688-708 (1933).</i>—The heat content of 10 Fe-C alloys contg. from 0.07 to 5.07% C was measured at numerous high temps. up to and beyond the m. p. Electrolytic Fe and sugar C were used in prep; the melts. The heat of fusion of the <math>\delta</math>-alloy contg. 0.00% C is 65.21 cal.; 0.07% C 64.90 cal.; of the <math>\gamma</math>-alloy contg. 0.13% C 67.19 cal.; 1.70% C 57.5 cal. The heat of fusion of the eutectic is 60.91 cal. That of cementite, by extrapolation, is 65.0 cal., its m. p. being estd. to be 1600°. The heats of transformation of the <math>\alpha</math>- into the <math>\gamma</math>-Fe at the <math>A_1</math> point are calcd. to be 5.89 cal. for pure Fe and 18.60 cal. for the eutectoid at 720°. The heat of soln. of FeC in <math>\gamma</math>-Fe of 0.80% C is 11.15 cal. at 720°; it decreases with rise in temp. and C concn. The heat of the <math>A_2</math> transformation of Fe<sub>3</sub>C is estd. to be 9.35 cal. <span style="float: right;">Curtis L. Wilson.</span></p>															<p>CLASSIFICATION</p>															<p>INDEX</p>														

UMIŃSKA Hanna

Cerebral disorders in pyloric stenosis. Pol. tyg. lek. 20 no.3:  
276-277 22 F'65.

1. Z Oddziału Chirurgicznego Miejskiego Szpitala Zakaznego Nr.1  
w Warszawie (ordynator: dr. med. S. Hornowski).

UMINSKI, A. - Rolnik Spoldzielca, - Warszawa

In this way Wegierski organized the purchase of poultry. p. 5.

SO: Monthly list of East European Accessions List, (EEAL), LC, Vol. 4, No. 11  
Nov. 1955, Uncl.

6. UMINSKI,

F. WYSOCKA, J. UMINSKI:-- Studies on the specificity of the complement fixation reaction with toxoplasma antigena. Toxoplasma and Sarcosporidia.

SO: Medycyna Doswiadczalna i Mikrobiologia (Experimental Medicine and Microbiology) Fourth quarter 1955.